

IN THE CLAIMS:

Please replace the claims with the following set of claims:

Claims 1-3. (previously cancelled)

4. (cancelled)

5. (currently amended) The organic based device of claim 16 [[4]] being an OFET, and wherein said 2,7-carbazolenevinylene derivative is 1,4-bis(vinylene-(N-methyl-7-hexyl-2-carbazole))phenylene (CPC RCPCR).

6. (currently amended) The organic based device of claim 16 [[4]] being an OFET, and wherein said 2,7-carbazolenevinylene derivative is 1,4-bis(vinylene-(N-hexyl-2-carbazole))phenylene (CPC).

7. (currently amended) The organic based device of claim 16 [[4]] being an OPC, and wherein said 2,7-carbazolenevinylene derivative is [Poly (N-(2-ethylhexyl-2,7-carbazolenevinylene-co-2,5-bis(diphenylamine)-1,4-phenylenevinylene-co-((4-(2-ethylhexyloxy)-phenyl)-bis-(4'-phenylene)amine))] (PCVDPATA).

8. (currently amended) The organic based device of claim 16 [[4]] being an OPC, and wherein said 2,7-carbazolenevinylene derivative is [Poly (N-(4-hexyloxyphenyl)-2,7-carbazolenevinylene-alt-(3-hexyl-2,5-thiophenevinylene))] (PPCVT).

9. (currently amended) The organic based device of claim 16 [[4]] being an OPC and further comprising a second active material, wherein said 2,7-carbazolenevinylene derivative is mixed with [[a]] said second active material.

10. (previously amended) The organic based device of claim 9, wherein said second active material is [N,N'-Bis(2,6-dimethylphenyl)-3,4,9,10-perylenetetracarboxylic diimide] (PTD).

11. (previously amended) The organic based device of claim 9, wherein said second active material is [6,6-phenyl-C61 butyric acid methyl ester] (PCBM).

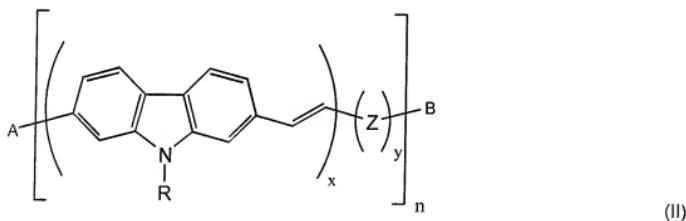
12. (currently amended) The organic based device of claim 16 [[4]] being an OPC comprising a hole transport layer[[,]] and an electron transport layer, and wherein at least one of said hole transport layer and said electron transport layer comprises either alone or in combination as active material a conjugated 2,7-carbazolenevinylene derivative.

13. (currently amended) The organic based device of claim 16 [[4]] wherein the value of y is 0 for all blocks.

14. (previously added) The organic based device of claim 13 being an OFET.

15. (previously added) The organic based device of claim 13 being an OPC.

16. (new) An organic based device which is an Organic Field Effect Transistor (OFET) or an Organic Photovoltaic Cell (OPC), the device comprising as a first active material an oligomeric or polymeric material according to the general formula (II):



wherein R, in the conjugated 2,7-carbazolenevinylene derivative, is hydrogen, a linear or branched alkyl group containing 1 to 20 carbon atoms, a linear or branched alkoxy group containing 1 to 20 carbon atoms, a poly (ethyleneoxy) group, a cyano group, an aryl group,

an amide group, or a benzoyl group, wherein x is an integer between 1 and 1000, wherein y is an integer between 0 and 1000, wherein Z is derived from a comonomer which is ethylene, acetylene, a C₆-C₂₂ mononuclear/polynuclear aromatic group, a C₂-C₁₀ mononuclear/polynuclear heterocyclic group, or a tertiary arylamine, wherein A and B are each independently an end-cap group which is hydrogen, a linear or branched alkyl group containing 1 to 20 carbon atoms, a linear or branched alkoxy group containing 1 to 20 carbon atoms, a cyano group, a halogen group, a monovalent aromatic group, or a monovalent aromatic complex ring group having one nitrogen atom as a hetero-atom, and wherein n is an integer larger than or equal to 3.